

Air Regulations Overview

1970 Clean Air Act

Amended 1975 and 1977

National Ambient Air Quality Standards (NAAQS)

- Health Based Standards for Clean Air
- CO, NO_x, Lead, SO_x, OZONE (VOC), Particulate Matter
- Attainment / Non-attainment

NESHAPS

(40 CFR Part 61)

National Emission Standards for Hazardous Air Pollutants

Pollutant	Facility or Emission Unit Type	40 CFR 61 Subpart
Radon	Underground uranium mines; Department of Energy facilities, phosphorus fertilizer plants; and facilities processing or disposing of uranium ore tailings.	B, Q, R,T, W
Beryllium	Beryllium extraction plants, ceramic plants, foundries, incinerators, propellant plants, machine shops that process beryllium containing material; and rocket motor firing test sites.	C, D
Mercury	Mercury ore processing; Manufacturing processes using mercury chloralkali cells; and sludge incinerators.	E
Vinyl Chloride	Ethylene dichloride manufacturing via oxygen, HCL and ethylene; vinyl chloride manufacturing; and polyvinyl chloride manufacturing.	F
Radionuclides	Department of Energy; Nuclear Regulatory Commission licensed facilities; other federal facilities; and elemental phosphorus plants.	H, I, K

Continue →

NESHAPS

(40 CFR Part 61)

National Emission Standards for Hazardous Air Pollutants

Pollutant	Facility or Emission Unit Type	40 CFR 61 Subpart
Benezene	Fugitive process, storage, and transfer equipment leaks; coke by-product recovery plants; benzine storage vessels; benzine transfer operations; benzine waste operations,	J, L, Y, BB, FF
Asbestos*	Asbestos mills; roadway surfacing with asbestos tailings; manufacture of products containing asbestos; demolition; renovation; and spraying and disposal waste.	M
Inorganic Arsenic	Glass manufacturer; primary copper smelter; arsenic trioxide and metallic arsenic production facilities.	N, O, P
Volatile Hazardous Air Pollutants (VHAP)	Pumps; compressors, pressure relief devices, connections, valves, lines, flanges, product accumulator vessels, etc. in VHAP service	V

* If the source is the only subject to 40 CFR ' 61.145 (subpart M Standard for Demolition and Renovation) because it is doing asbestos abatement, a Title V permit is not required.

NSPS

(40 CFR Part 60)

New source Performance Standards – 80 plus

Examples:

Effective Date of Construction or Modification	Subpart	Source Categories
After 8/17/71	D	Fossil-Fuel-Fired Steam Generators, more than 250 Million Btu/hr. heat input
After 9/18/78	Da	Electric Utility Steam Generating Units, more than 250 million Btu/hr. heat input of fossil fuel (either alone or in combination with any other fuel)
After 6/19/84	Db	Industrial-Commercial-Institutional Steam, Generating Units, greater than 100 million Btu/hr. heat input
After 6/09/89	Dc	Small Industrial-Commercial-Institutional Steam Generating Units, greater than 10 million Btu/hr but less than 100million Btu/hr
After 6/11/73	I	Hot Mix Asphalt Facilities
Between 6/11/73	K	Storage Vessels for Petroleum Liquids, capacity: 40,000-60,000 gallons, constructed
And 5/19/78		between 3/8/74 and 5/29/78; greater than 65,000 gallons capacity: constructed between 6/11/73 and 5/19/78
Between 5/18/78	Ka	Storage Vessels for Petroleum Liquids, greater than 40,000 but less than 420,000 and 7/23/84 gallons

Continue →

NSPS

(40 CFR Part 60)

New source Performance Standards – 80 plus

Examples:

Effective Date of Construction or Modification	Subpart	Source Categories
After 7/23/84	Kb	Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), storage capacity greater than or equal to 40 m ³
After 8/03/78	DD	Grain Elevators, permanent grain storage capacity of 1 million bushels
After 12/17/80	XX	Bulk Gasoline Terminals, gasoline throughput greater than 75,000 liters/day
After 8/31/83	OOO	Nonmetallic Mineral Processing Plants

NESHAPS

(40 CFR Part 63)

National Emission Standards for Hazardous Air Pollutants for Source Categories – MACT Standards

Examples:

Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)
Subpart LLL	National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry
Subpart VVVV	National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing
Subpart QQQQ	National Emission Standards for Hazardous Air Pollutants for Friction Materials Manufacturing Facilities

State Implementation Plan to achieve acceptable air quality

- Requires EPA Approval
- Kansas Air Quality Program 1971
- K.A.R. 28-19-8 Reporting Required / K.A.R. 28-19-14 Permits Required

1990 CAAA

- Construction Permit Program
- Operating Permit Program

REGULATIONS – K.A.R. Kansas Air Quality Regulations

- K.A.R. 28-19-8 through K.A.R. 28-19-801
- K.A.R. 28-19-20 et seq. Particulate Limits
- K.A.R. 28-19-30 et seq. Industrial Heaters
- K.A.R. 28-19-40 et seq. Incinerators
- K.A.R. 28-19-61 through K.A.R. 28-19-77 Johnson and Wyandotte County VOC rules
- K.A.R. 28-19-200 Definitions
- K.A.R. 28-19-300 et seq. Construction Permits and Approvals
- K.A.R. 28-19-350 PSD
- K.A.R. 28-19-400 et seq. General Permits
- K.A.R. 28-19-500 et seq. Operating Permits
- K.A.R. 28-19-650 Opacity
- K.A.R. 28-19-714 through K.A.R. 28-19-719 Johnson and Wyandotte County VOC rules
- K.A.R. 28-19-720 NSPS
- K.A.R. 28-19-721 through K.A.R. 28-19-727 Landfills

Regulations – K.A.R. Kansas Air Quality Regulations

- K.A.R. 28-19-729 incinerators
- K.A.R. 28-19-735 adopts 40 CFR part 61
- K.A.R. 28-19-750 adopts CFR part 63

Basic Environmental Regulatory Training

Tier II Web Application
And
Radiation Protection Regulations

Thomas A. Conley, CHP
Bureau of Air and Radiation

Tier II Web Reporting

- On Line Web Reporting of the Kansas Annual Tier II (Section 312) Report
- Web address <http://208.186.168.134/>
- Past data is preloaded
- Hard copy Tier II report for LEPCs
- Fee Calculation worksheet
- Certification letter

Userid and Password

- Submit requests on company letterhead or via email from company's domain
- Include:
 - ◆ Parent Company Name
 - ◆ Parent Company Address
 - ◆ Person to whom userid is to be issued
 - ◆ Phone and if available email
 - ◆ Include name, address, contact and phone for each facility

Where to Send Requests

- Mail your requests on company letterhead to:
 - ◆ Kansas Department of Health and Environment, 1000 SW Jackson, Suite 310, Topeka, Kansas 66612-1366.
- Email requests can be sent to:
 - ◆ moestreich@kdhe.state.ks.us

The Kansas Department of Health and Environment TIER II REPORTING

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SARA Title III Kansas Tier II Reporting

- The purpose of this program is to allow owners and/or operators who are required to report hazardous or extremely hazardous substances under the Kansas and Federal Emergency Planning and Community Right to Know Act (EPCRA) electronically. This capability has been developed to be in compliance with K.S.A. Article 57, Section 65-5707, Kansas Emergency Planning and Community Right-to-Know Act, K.A.R. Article 65 28-65-03, and 40 CFR Part 370.25.
- If you are required to report and have reported to the Kansas Department of Health and Environment (KDHE) in previous years an account has already been set up for your facility. You will need to contact the agency for additional instructions on how to utilize this application.
- If you are required to report and have not previously reported to the Kansas Department of Health and Environment you will need to contact the agency to set up a reporting account.

If you are not sure if you are required to report or you want more information on the Emergency Planning and Community Right-to-Know Act you can get complete copies of the Kansas Emergency Planning and Community Right to Know Act (EPCRA) at <http://www.kdhe.state.ks.us>. Information on the Federal Emergency Planning and Community Right-to-Know Act can be viewed at <http://yosemite.epa.gov/oswer/ceppoweb.nsf/content/tier2.htm#t2resources>.

If you have your ID and Password and would like to complete the Kansas Tier II now click on the registered users button.

The Kansas Department of Health and Environment TIER II REPORTING

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Database update in progress. During this period you will not be able to update records. The system should be restored shortly.

Profile:

ID: KS01789

Name: ABC Company

Address: 232315 main

City: shawnee

State: KS

Zip Code: 90210


Country: USA

Phone: 913-222-2222

Email: myemail2@test.net

Facility: james test

ID: KE00545

Chemicals	Files Uploaded	PDF Generator	Delete Facility
james test...		 <input type="button" value="GENERATE PDF"/>	

The Kansas Department of Health and Environment TIER II REPORTING

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Update Chemical Information

6a. Chemical Description

Search for commodity/chemical:

[Click to Search](#)

*If chemical is not found from search
then enter commodity name here.*

SOLVENTS

CAS 8052413

Trade Secret No

If CAS # is unavailable enter "none"

Chemical Form (check all that apply)

Pure ☐ Liquid ☒ Mix ☒ Gas ☐ Solid ☐ EHS ☐

Chemical Hazards (check all that apply)

Fire ☒ Pressure ☐ Reactive ☐ Delayed ☒ Immediate ☒

6b. Mixture Component Information

(if you checked Mix - Please complete this section)

Mixture Component	Percent	CAS #
SOLVENTS	100	



Radiation Regulations

- Rewrite of the entire set of radiation regulations.
- Current regulations are outdated and obsolete
 - ◆ industry practices, standards and technologies
 - ◆ Last update was in 1994
 - ◆ Many have not been updated since 1985
- No longer compatible with other States and Federal regulations
 - ◆ Required by the Kansas agreement with the Nuclear Regulatory Commission
 - ◆ Necessary to maintain a consistent regulatory framework across states

Status

- All have been submitted to the Dept of Administration for review
- Next
 - ◆ Attorney General Review
 - ◆ NRC review (radioactive materials only)
 - ◆ 60 Day public comment period
 - ◆ Joint Rules and Regs Committee hearing
 - ◆ Public hearing

Revised Regulations

Parts 1 – 5

- Part 1 – Definitions and fees
- Part 2 – X-ray Registration
- Part 3 – Radioactive Material Licensing
- Part 4 – Standards for Radiation Protection
- Part 5 – X-rays in the Healing Arts

Revised Regulations

Parts 7 – 14

- Part 7 – Industrial Radiography
- Part 8 – Analytical X-ray Equipment
- Part 9 – Particle Accelerators
- Part 11 – Wireline & Subsurface Tracer

New Regulations

Parts 6 and 12 – 14

- Part 6 – Radioactive Material in the Healing Arts
- Part 12 – Therapeutic Radiation Machines
- Part 13 – Emergency Response
- Part 14 - Irradiators